MANTA DVD 001

MODEL

SERVICE MANUAL

Vibratto-II

PLL3	CLK SOURCE
1	DCLK INPUT
0	CRSTALOSC

PLL2	PLL1	PLL0	MULTI DEFAULT	MULTI S-CHIP	Frequency DEFAULT	Frequency S-CHIP
0	0	0	4.25	4.5	114.75	121.5
0	0	1	reserved	5	NA	135
0	1	0	bypass	bypass	27	NA
0	1	1	3.75	4	101.25	108
1	0	0	4.5	4.25	121.5	114.75
1	0	1	reserved	4.75	NA	128.25
1	1	0	3.5	5.5	94.5	148.5
1	1	1	4	6	108	162

VIDEO OUTPUT TABLE

	CVBS + S-VIDEO or CVBS + YUV	CVBS + YUV	S-VIDEO + RGB	CVBS + RGB
VDAC	CVBS	CVBS	Y	CVBS
YDAC	Y	Y	G	G
CDAC	V	V	R	R
UDAC	U	U	B	B
SDAC	C	CVBS	C	CVBS

SHANGHAI THAKRAL

Title: Vibratto-II ES66x8

Size: | Document Number: SPQ2.908.396 | Rev: A

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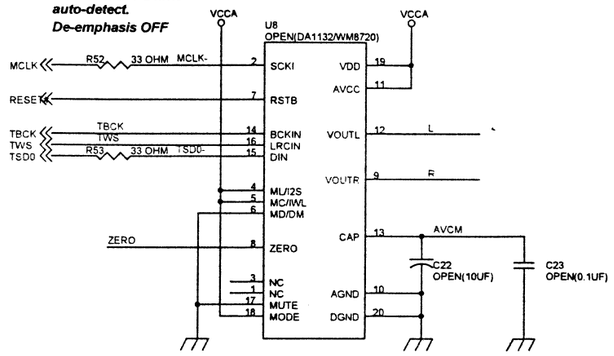
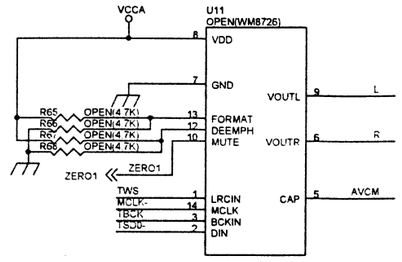
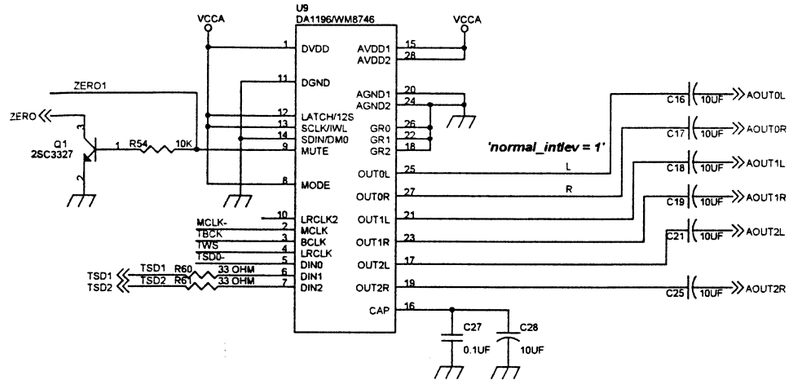
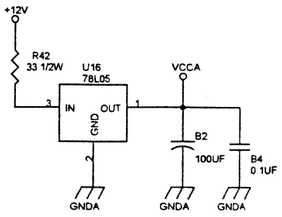
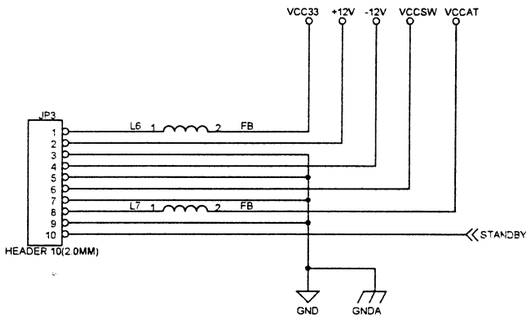
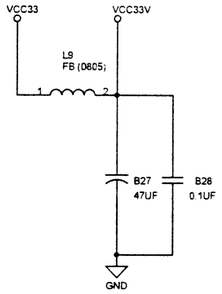




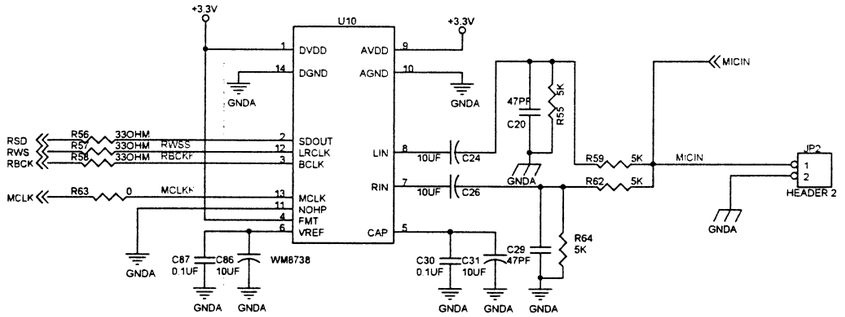


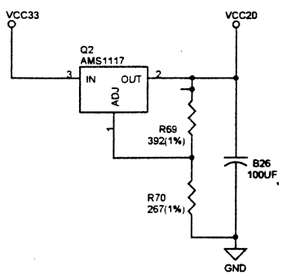


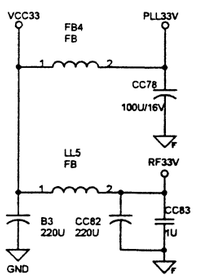


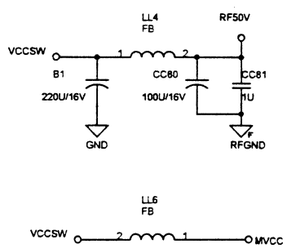


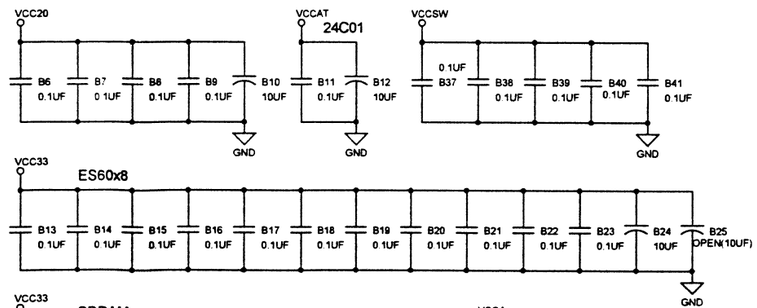
MIC
WOLFSON 2-CHANNEL AUDIOADC

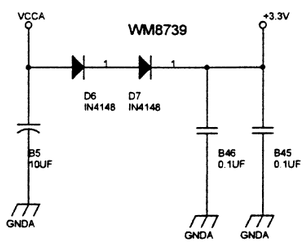












SHANGHAI THAKRAL

Title	Audio and Power	
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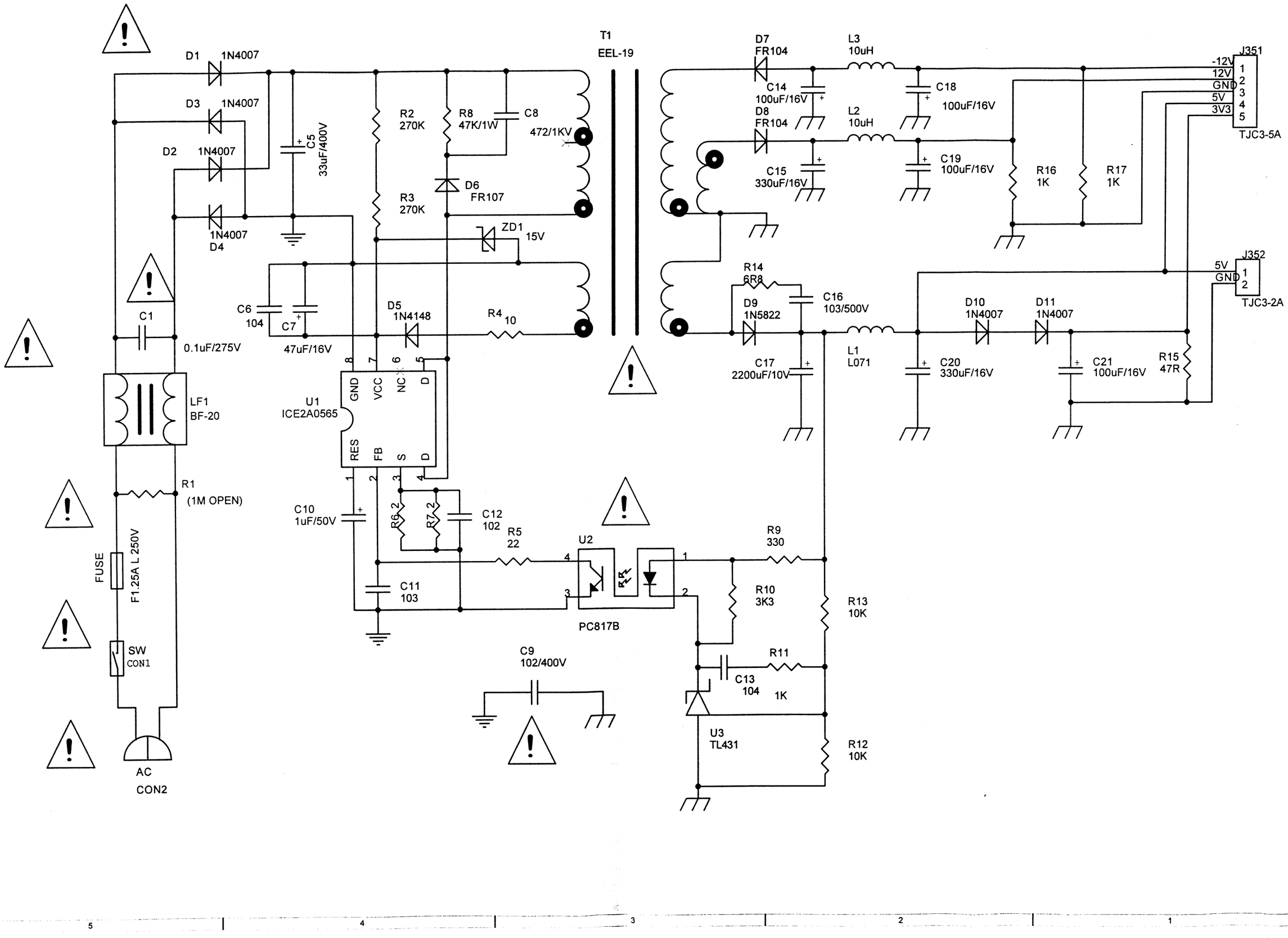
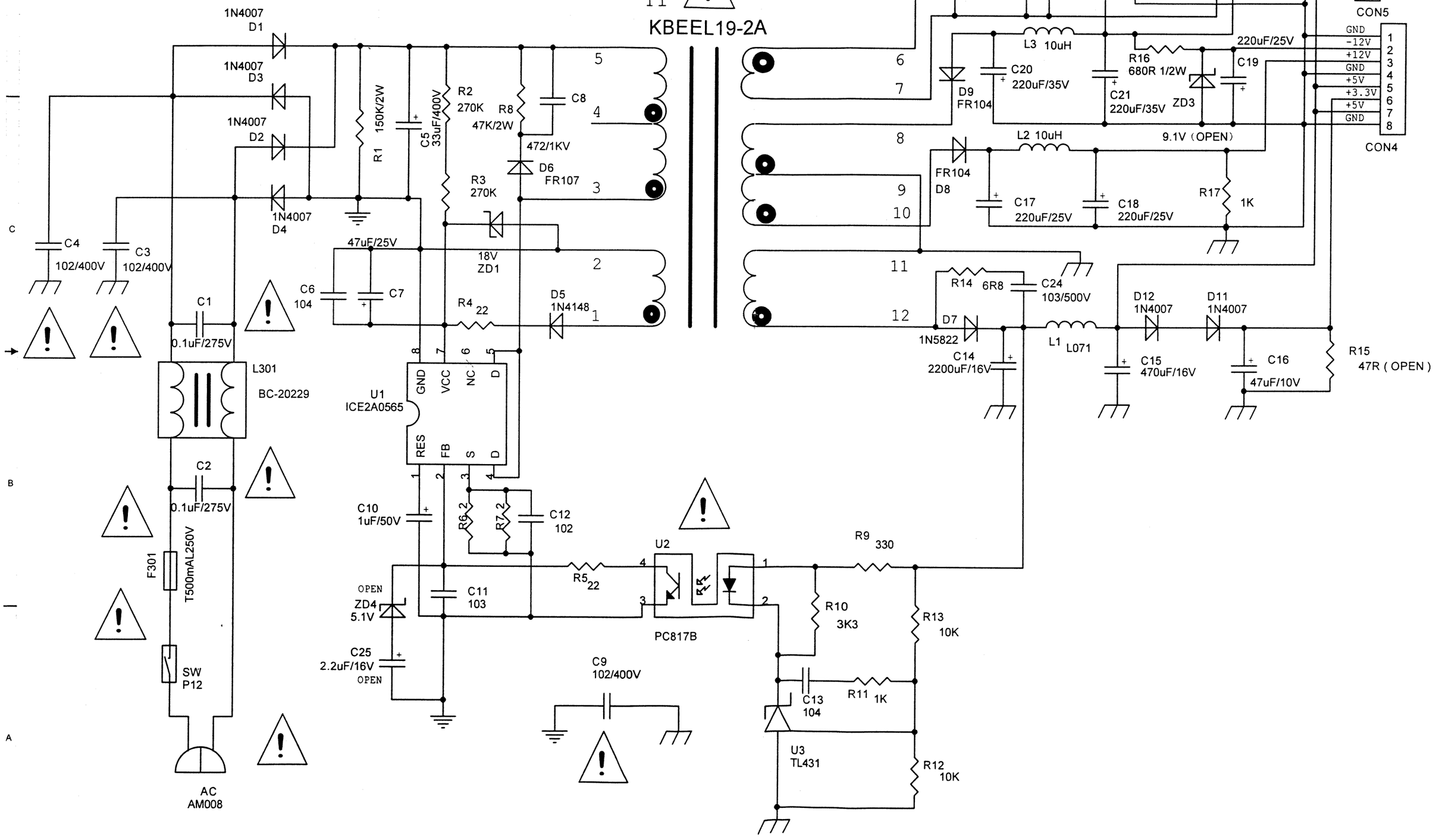
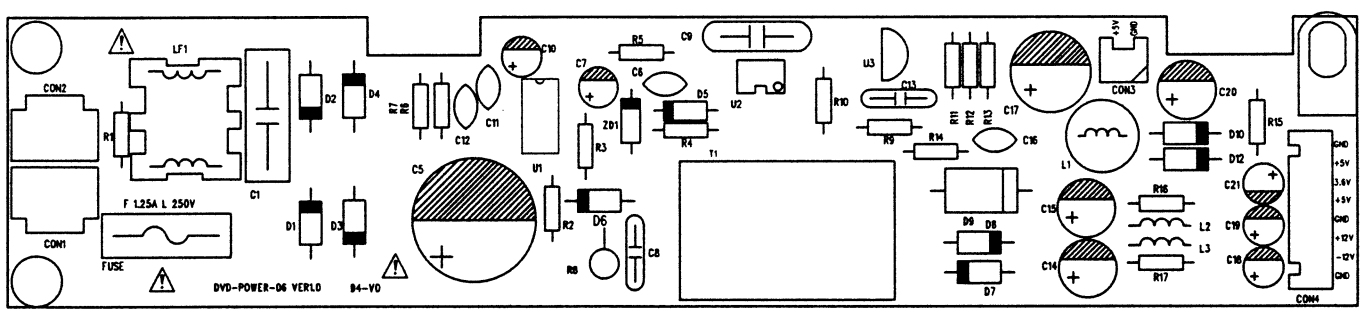
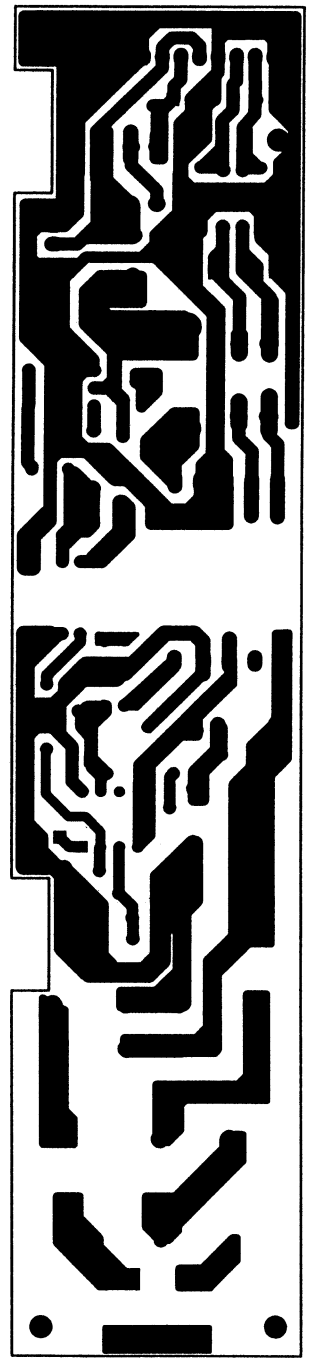
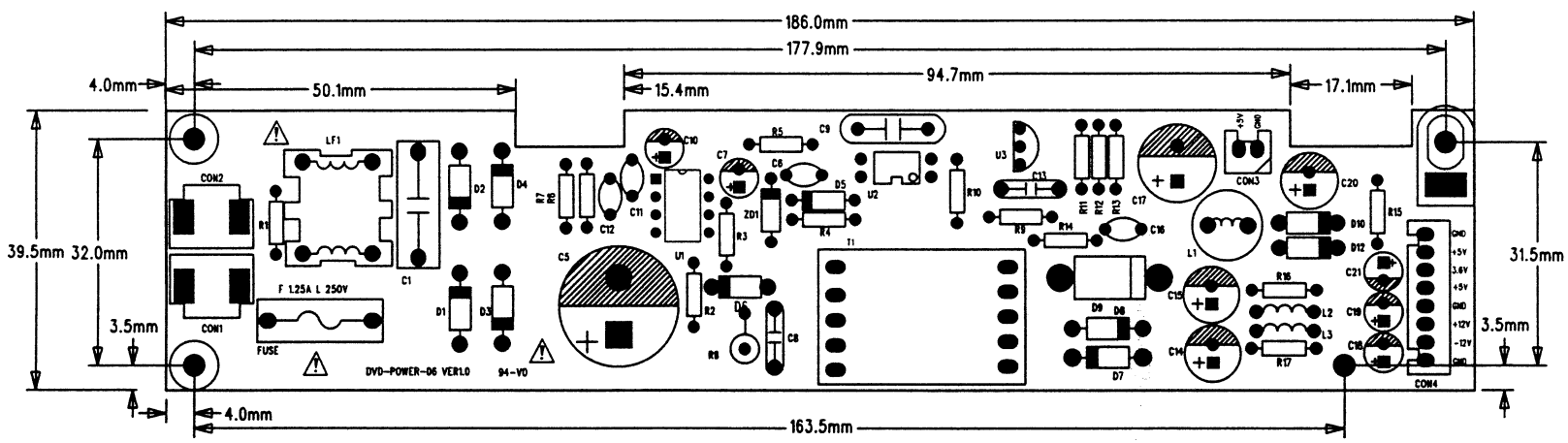

D1 1N4007
D3 1N4007
D2 1N4007
1N4007 D4
C5 33uF/400V
R2 270K
R3 270K
R8 47K/1W
C8 472/1KV
D6 FR107
ZD1 15V
T1 EEL-19
C1 0.1uF/275V
C6 104
C7 47uF/16V
D5 1N4148
R4 10
LF1 BF-20
U1 ICE2A0565
GND VCC NC D
RES FB S D
R1 (1M OPEN)
FUSE F1.25A L 250V
SW CON1
AC CON2
C10 1uF/50V
R6 2
R7 2
C12 102
R5 22
C11 103
U2
PC817B
C9 102/400V
U3 TL431
R9 330
R10 3K3
R11
C13 104
1K
R13 10K
R12 10K
D7 FR104
D8 FR104
L3 10uH
L2 10uH
C14 100uF/16V
C15 330uF/16V
C18 100uF/16V
C19 100uF/16V
R16 1K
R17 1K
J351
-12V 12V GND 5V 3V3
TJC3-5A
R14 6R8
D9 1N5822
C16 103/500V
L1 L071
C17 2200uF/10V
D10 1N4007
D11 1N4007
C20 330uF/16V
C21 100uF/16V
R15 47R
J352
5V GND
TJC3-2A


T1
KBEEL19-2A
1N4007 D1
1N4007 D3
1N4007 D2
1N4007 D4
R1 150K/2W
C5 33uF/400V
R2 270K
R8 47K/2W
C8 472/1KV
D6 FR107
R3 270K
18V ZD1
47uF/25V
C6 104
C7
R4 22
D5 1N4148
C4 102/400V
C3 102/400V
C1 0.1uF/275V
L301 BC-20229
C2 0.1uF/275V
F301 T500mAL250V
SW P12
AC AM008
U1 ICE2A0565
GND VCC NC D
RES FB S D
C10 1uF/50V
R6 2
R7 2
C12 102
OPEN ZD4 5.1V
C11 103
C25 2.2uF/16V OPEN
R5 22
U2 PC817B
C9 102/400V
R9 330
R10 3K3
R13 10K
C13 104
R11 1K
U3 TL431
R12 10K
R22 2R
100uF/16V C22
C23 100uF/16V
D10 FR104
R18 1K
ZD2 6.8V
R20 470R
R21 470R
R19 2.2K
CON5
~3.3V
~3.3V
-24V
GND
+5V
L3 10uH
C20 220uF/35V
C21 220uF/35V
D9 FR104
R16 680R 1/2W
ZD3
C19 220uF/25V
CON4
GND
-12V
+12V
GND
+5V
+3.3V
+5V
GND
L2 10uH
9.1V (OPEN)
FR104 D8
C17 220uF/25V
C18 220uF/25V
R17 1K
R14 6R8
C24 103/500V
D7 1N5822
C14 2200uF/16V
L1 L071
D12 1N4007
D11 1N4007
C15 470uF/16V
C16 47uF/10V
R15 47R (OPEN)


CON2
LF1
R1
C1
D2
D4
D1
D3
F 1.25A L 250V
FUSE
CON1
DVD-POWER-06 VER1.0
94-V0
C10
R7
R8
C11
C12
C5
U1
C7
R5
C9
C6
D5
R4
ZD1
R3
R2
D6
R6
C8
T1
U2
R10
U3
C13
R9
R11
R12
R13
R14
C16
C17
L1
D9
D8
D7
C15
C14
R16
L2
L3
R17
+5V
GND
CON3
C20
D10
D12
R15
C21
C19
C18
GND
+5V
3.6V
+5V
GND
+12V
-12V
GND
CON4




186.0mm
177.9mm
94.7mm
17.1mm
15.4mm
50.1mm
4.0mm
39.5mm
32.0mm
3.5mm
31.5mm
4.0mm
163.5mm
CON2
CON1
LF1
R1
C1
D2
D4
D1
D3
F 1.25A L 250V
FUSE
DVD-POWER-06 VER1.0
94-V0
R7
R8
C12
C11
C10
C7
R5
C9
C6
D5
R4
ZD1
R3
U1
R2
D6
C8
C5
T1
U2
R10
U3
C13
R9
R14
R11
R12
R13
C17
C16
CON3
+5V
GND
L1
C20
D10
D12
R15
C21
C19
C18
R16
L2
L3
R17
D9
D8
D7
C15
C14
GND
+5V
3.6V
+5V
GND
+12V
-12V
GND
CON4